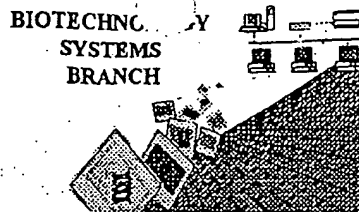


**RAW SEQUENCE LISTING  
ERROR REPORT**



02-22

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/680,755  
Source: Orpe  
Date Processed by STIC: 10-24-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/2003):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/2003



OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/680,755

DATE: 10/24/2003  
TIME: 09:30:38

Input Set : A:\pto.pg.txt  
Output Set: N:\CRF4\10242003\J680755.raw

4 <110> APPLICANT: Thompson, Penny J.  
5 Sheppard, Paul O.  
7 <120> TITLE OF INVENTION: Uses of Human Zven Antagonists  
10 <130> FILE REFERENCE: 02-22  
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/680,755  
C--> 12 <141> CURRENT FILING DATE: 2003-10-07  
12 <150> PRIOR APPLICATION NUMBER: 60/416,719  
13 <151> PRIOR FILING DATE: 2002-10-07  
15 <150> PRIOR APPLICATION NUMBER: 60/416,718  
16 <151> PRIOR FILING DATE: 2002-10-07  
18 <150> PRIOR APPLICATION NUMBER: 60/434,116  
19 <151> PRIOR FILING DATE: 2002-12-16  
21 <150> PRIOR APPLICATION NUMBER: 60/433,918  
22 <151> PRIOR FILING DATE: 2002-12-16  
24 <150> PRIOR APPLICATION NUMBER: to be determined  
25 <151> PRIOR FILING DATE: 2003-10-03  
W--> 27 <150> PRIOR APPLICATION NO: to be determined  
28 <151> PRIOR FILING DATE: 2003-10-03  
30 <160> NUMBER OF SEQ ID NOS: 29  
32 <170> SOFTWARE: FastSEQ for Windows Version 4.0

**Does Not Comply  
Corrected Diskette Needed**

#### ERRORED SEQUENCES

94 <210> SEQ ID NO: 2  
95 <211> LENGTH: 108  
96 <212> TYPE: PRT  
97 <213> ORGANISM: Homo sapiens  
99 <400> SEQUENCE: 2  
100 Met Arg Ser Leu Cys Cys Ala Pro Leu Leu Leu Leu Leu Leu Pro  
101 1 5 10 15  
102 Pro Leu Leu Leu Thr Pro Arg Ala Gly Asp Ala Ala Val Ile Thr Gly  
103 20 25 30  
104 Ala Cys Asp Lys Asp Ser Gln Cys Gly Gly Gly Met Cys Cys Ala Val  
105 35 40 45  
106 Ser Ile Trp Val Lys Ser Ile Arg Ile Cys Thr Pro Met Gly Lys Leu  
107 50 55 60  
108 Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val Pro Phe Phe Gly Arg  
109 65 70 75 80  
110 Arg Met His His Thr Cys Pro Cys Leu Pro Gly Leu Ala Cys Leu Arg  
111 85 90 95  
112 Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln Lys  
113 100 105

Insert Hard Return  
Format errors  
Please ensure that file is  
saved to ASCII text format 10/24/03

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/680,755

DATE: 10/24/2003  
TIME: 09:30:38

Input Set : A:\pto.pg.txt  
Output Set: N:\CRF4\10242003\J680755.raw

114 <211> LENGTH: 324  
115 <212> TYPE: DNA  
116 <213> ORGANISM: Artificial Sequence  
118 <220> FEATURE:  
119 <223> OTHER INFORMATION: This degenerate sequence encodes the amino acid  
120 sequence of SEQ ID NO:2.  
W--> 122 <221> NAME/KEY: misc\_feature  
123 <222> LOCATION: (1)...(324)  
124 <223> OTHER INFORMATION: n = A,T,C or G  
126 <210> SEQ ID NO:  
W--> 126 <400> 3  
W--> 127 atgmgwnsny tntgytgygc nccnytnytn ytnytnytny tnytnccncc nytnytnytn 60  
128 acnccnmngng cngngaygc ngcngtnath acngngcngt gygayaarga ywsncartgy 120  
129 ggngnggna tgtgytgygc ngtnwsnath tgggtnaarw snathmgntat htgyacnccn 180  
130 atgggnaary tngngayws ntgyacayccn ytnacnmgna argtnccntt yttyggnmgn 240  
131 mgntatgcayc ayacntgycc ntgyytnccn ggnytnngnt gyytnmgna nwsnttyaay 300  
132 mgnttyatht gyytnngcna raar 324  
134 <210> SEQ ID NO: 4  
194 <210> SEQ ID NO: 5  
195 <211> LENGTH: 105  
196 <212> TYPE: PRT  
197 <213> ORGANISM: Homo sapiens  
199 <400> SEQUENCE: 5  
200 Met Arg Gly Ala Thr Arg Val Ser Ile Met Leu Leu Leu Val Thr Val  
201 1 5 10 15  
202 Ser Asp Cys Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys  
203 20 25 30  
204 Gly Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg  
205 35 40 45  
206 Met Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser  
207 50 55 60  
208 His Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys  
209 65 70 75 80  
210 Leu Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys  
211 85 90 95  
212 Ser Met Asp Leu Lys Asn Ile Asn Phe  
213 100 105  
214 <211> LENGTH: 315  
215 <212> TYPE: DNA  
216 <213> ORGANISM: Artificial Sequence  
218 <220> FEATURE:  
219 <223> OTHER INFORMATION: This degenerate sequence encodes the amino acid  
220 sequence of SEQ ID NO:5.  
W--> 222 <221> NAME/KEY: misc\_feature  
223 <222> LOCATION: (1)...(315)  
224 <223> OTHER INFORMATION: n = A,T,C or G  
226 <210> SEQ ID NO:  
W--> 226 <400> 6  
W--> 227 atgmgnggng cnacnmngnt nwsnathatg ytnytnytny tnacngtnws ngaytgygcn 60

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/680,755

DATE: 10/24/2003  
TIME: 09:30:38

Input Set : A:\pto.pg.txt  
Output Set: N:\CRF4\10242003\J680755.raw

228 gtnathacng gngcntgyga rmngngaygtn cartgyggng cnggnacntg ytgygcnath 120  
229 wsnyntnggy tnmngngnyt nmgnatgtgy acncnytnng gnmngngargg ngargartgy 180  
230 cayccnggnw sncayaargt nccnttytty mngaarmgna arcaycayac ntgyccntgy 240  
231 ytnccnaayy tnyntgyws nmgnnttyccn gayggnmgnt aymngntgyws natggayytn 300  
232 aaraayatha aytty 315  
234 <210> SEQ ID NO: 7  
235 <211> LENGTH: 16  
236 <212> TYPE: PRT  
C--> 237 <213> ORGANISM: Artificial Sequence  
239 <220> FEATURE:  
240 <223> OTHER INFORMATION: Peptide linker.  
242 <400> SEQUENCE: 7  
243 Gly Gly Ser Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser  
244 1 5 10 15 ✓ <210> 8  
245 <211> LENGTH: 10  
246 <212> TYPE: PRT  
247 <213> ORGANISM: Artificial Sequence  
249 <220> FEATURE:  
250 <223> OTHER INFORMATION: Motif.  
W--> 252 <221> NAME/KEY: VARIANT  
253 <222> LOCATION: (8)...(8)  
254 <223> OTHER INFORMATION: Xaa is Asp or Glu.  
W--> 256 <221> VARIANT  
257 <222> LOCATION: (9)...(9)  
258 <223> OTHER INFORMATION: Xaa is Lys or Arg.  
W--> 260 <221> VARIANT  
261 <222> LOCATION: (1)...(10)  
262 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
264 <210> SEQ ID NO:  
W--> 264 <400> 8  
W--> 265 Ala Val Ile Thr Gly Ala Cys Xaa Xaa Asp  
266 1 5 10 ✓ <210> 9  
267 <211> LENGTH: 23  
268 <212> TYPE: PRT  
269 <213> ORGANISM: Artificial Sequence  
271 <220> FEATURE:  
272 <223> OTHER INFORMATION: Motif.  
W--> 274 <221> NAME/KEY: VARIANT  
275 <222> LOCATION: (4)...(4)  
276 <223> OTHER INFORMATION: Xaa is Gly or Leu.  
W--> 278 <221> VARIANT  
279 <222> LOCATION: (5)...(5)  
280 <223> OTHER INFORMATION: Xaa is Ser or Thr.  
W--> 282 <221> VARIANT  
283 <222> LOCATION: (6)...(6)  
284 <223> OTHER INFORMATION: Xaa is His or Arg.  
W--> 286 <221> VARIANT  
287 <222> LOCATION: (12)...(12)  
288 <223> OTHER INFORMATION: Xaa is any amino acid.

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/680,755

DATE: 10/24/2003  
TIME: 09:30:38

Input Set : A:\pto.pg.txt  
Output Set: N:\CRF4\10242003\J680755.raw

W--> 290 <221> VARIANT  
291 <222> LOCATION: (13)...(13)  
292 <223> OTHER INFORMATION: Xaa is Lys or Arg.  
W--> 294 <221> VARIANT  
295 <222> LOCATION: (15)...(15)  
296 <223> OTHER INFORMATION: Xaa is any amino acid.  
W--> 298 <210> SEQ ID NO:  
W--> 298 <400> 9  
299 Cys His Pro Xaa Xaa Xaa Lys Val Pro Phe Phe Xaa Xaa Arg Xaa His  
300 1 5 10 15  
301 His Thr Cys Pro Cys Leu Pro  
302 20  
303 <211> LENGTH: 6  
304 <212> TYPE: PRT  
305 <213> ORGANISM: Artificial Sequence  
307 <220> FEATURE:  
308 <223> OTHER INFORMATION: Glu-Glu tag  
W--> 310 <210> SEQ ID NO:  
W--> 310 <400> SEQUENCE: 10  
311 Glu Tyr Met Pro Met Glu  
312 1 5  
W--> 314 <210> SEQ ID NO: 11

*same error*

VERIFICATION SUMMARY  
PATENT APPLICATION: US/10/680,755

DATE: 10/24/2003  
TIME: 09:30:39

Input Set : A:\pto.pg.txt  
Output Set: N:\CRF4\10242003\J680755.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:27 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER  
L:122 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:126 M:282 E: Numeric Field Identifier Missing, <210> is required.  
L:126 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2  
L:126 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:2 differs:3  
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
M:341 Repeated in SeqNo=2  
L:134 M:214 E: (33) Seq.# missing, SEQ ID NO:3  
L:222 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:226 M:282 E: Numeric Field Identifier Missing, <210> is required.  
L:226 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5  
L:226 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:5 differs:6  
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
M:341 Repeated in SeqNo=5  
L:234 M:214 E: (33) Seq.# missing, SEQ ID NO:6  
L:237 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7  
L:252 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:256 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7  
L:260 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7  
L:264 M:282 E: Numeric Field Identifier Missing, <210> is required.  
L:264 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7  
L:264 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:7 differs:8  
L:265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:274 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:278 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7  
L:282 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7  
L:286 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7  
L:290 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7  
L:294 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7  
L:298 M:282 E: Numeric Field Identifier Missing, <210> is required.  
L:298 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7  
L:298 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:7 differs:9  
M:341 Repeated in SeqNo=7  
L:310 M:282 E: Numeric Field Identifier Missing, <210> is required.  
L:310 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:7 differs:10  
L:314 M:216 E: (34) Seq.#s missing, SEQ ID NOS: 8 thru 10